



State of Utah

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Department of  
Environmental Quality

Amanda Smith  
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DIVISION OF WATER QUALITY  
Walter L. Baker, P.E.  
*Director*

M103512009  
Leslie

DEC 19 2014

Steve Schnoor  
Director – Land, Water and Energy  
Rio Tinto Kennecott on behalf of Barneys Canyon Mining Company  
4700 Daybreak Parkway  
South Jordan, Utah 84095

Subject: Upper Clay Hollow Drainage Channel (Phase II) Impacted Material Removal Work Plan (dated November 2014)

Dear Mr. Schnoor:

The Utah Department of Environmental Quality, Division of Water Quality and the Division of Environmental Response and Remediation (in consultation with EPA Region 8), herein referenced collectively as “Agencies”, have completed a review of the above referenced document. At this time the referenced work plan is accepted and deemed “final”. However, there are deficiencies that the Agencies defer for resolution under the pending post response action report as discussed below.

Contaminated soils and associated material excavated during the removal action was disposed on Heap Leach Pad #5 at the Barneys Canyon Gold Mine. Plans to recontour and cap Heap Leach Pad #5 are being designed for approval by the Agencies. Until such closure actions are completed, there remains the potential for sediments from the leach pad to be remobilized (and potentially migrate back into Clay Hollow). The Agencies acknowledge that Barneys Canyon Mining Company (BCMC) has taken efforts to mitigate re-mobilization through constructed storm water controls, e.g. check dams, recontoured embankments, perimeter berms, and capping of the culvert underlying the B&G rail grade. However, these measures must be maintained as an assurance to the Agencies that Clay Hollow will not be re-impacted during the period before full closure of the leach pad is attained. BCMC is requested to summarize the stormwater management plan as it pertains to the maintenance and inspection protocols of the stormwater control features at Heap Leach Pad #5 and the perimeter road which encircles the Pad along its northern and eastern boundaries. This summary should be included in the pending response action report.

BCMC is requested to include (in the pending report) all laboratory analytical results for samples collected to characterize areas where released sediments/soils migrated and to demonstrate compliance with the action levels in areas where removal action took place. Analytical data is



Mr. Steve Schnoor

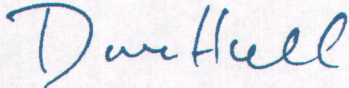
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also needed to define the boundaries where removal action did not take place to demonstrate removal action was not necessary.

Based on the December Clay Hollow update table, the Agencies understand the submittal date for the post response action report to be January 30, 2015.

Please contact Mr. Brian Hamos (801) 536-4384 or Mr. Douglas Bacon (801) 536-4282 if you have any questions regarding this matter.

Sincerely,

A handwritten signature in blue ink that reads "Dan Hall". The signature is written in a cursive, flowing style.

Dan Hall, P.G., Manager  
Ground Water Protection Section

DH/BH/DB/nf

cc: Douglas Bacon, DERR (via e-mail)  
Leslie Heppler, DOGM (via e-mail)  
Paul Baker, DOGM (via e-mail)  
Mike Bradley, DOGM (via e-mail)  
Rocky Stonestreet, DSHW (via e-mail)  
Kerri Fiedler, EPA Region 8 (via e-mail)  
Thiess Lindsay, Rio Tinto Kennecott Copper (via e-mail)  
John Hoggan, Salt Lake County Health Department (via e-mail)

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